

Customer No. 22,852  
Attorney Docket No.: 05788.0317



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Marco ROMAGNOLI et al.

Application No.: 10/506,658

Filed: April 21, 2005

Title : METHOD FOR GUIDING AN  
ELECTROMAGNETIC RADIATION, IN  
PARTICULAR IN AN INTEGRATED OPTICAL  
DEVICE

)  
)  
)  
) Group Art Unit: 2874  
)  
) Examiner: Not Yet Assigned  
)  
) Confirmation No. 4813  
)  
)  
)  
)  
)  
)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

**UNDER 37 C.F.R. § 1.97(b)**

Pursuant to 37 C.F.R. §§1.56 and 1.97(b), applicants bring to the Examiner's attention the documents listed on attached Form PTO/SB/08. A copy of the listed documents is attached. Applicants respectfully request that the Examiner consider the documents listed on attached Form PTO/SB/08 and indicate that they were considered by making an appropriate notation on this form. This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits for the above-referenced application.

Related Applications:

1) WIPO Publication No. WO 03/75054 A1 (copy enclosed), corresponds to U.S. Application No. 10/506,542, filed May 5, 2005, now U.S. Publication No. 2005/0226561 A1.

2) WIPO Publication No. WO 03/75056 A1 (copy enclosed), corresponds to U.S. Application No. 10/506,769, filed April 19, 2005, now U.S. Publication No. 2005/0226562 A1.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and applicants determine that the cited documents do not constitute "prior art" under United States law, applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents. Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

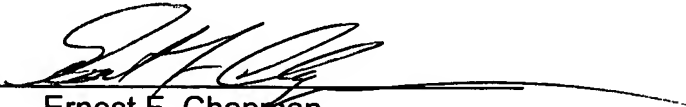
If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, L.L.P.

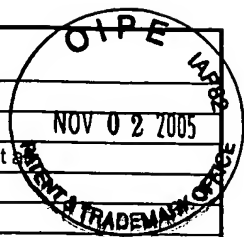
Dated: November 2, 2005

By:

  
Ernest F. Chapman  
Reg. No. 25,961

Enclosures  
EFC/FPD/mld

IDS Form PTO/SB/08: Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANTS</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>		
				Application Number	10/506,658	
Sheet		1	of	1	Filing Date	April 21, 2005
					First Named Inventor	Marco ROMAGNOLI et al.
					Art Unit	2874
					Examiner Name	Not Yet Assigned
					Attorney Docket Number	05788.0317



U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS					
Examiner Initials	Cite No. <sup>1</sup>	Document Number	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US-			
		US-			
		US-			
		US-			

**Note: Copies of the U.S. Patent Documents are not Required in IDS filed after October 21, 2004**

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		WO 03/075054 A1	09-12-2003	ROMAGNOLI et al.		
		WO 03/075056 A1	09-12-2003	ROMAGNOLI et al.		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation <sup>6</sup>
		ESPINOLA, R. L. et al., "A Study of High-Index-Contrast 90° Waveguide Bend Structures", OPTICS EXPRESS, Vol. 8, No. 9, pp. 517-528, (April 23, 2001).	
		YANG, W. et al., "Design of Planar Optical Waveguide Corners With Turning Mirrors", Proceedings of Integrated Optics, Technical Digest Series, Vol. 6, pp. 58-63, (1996).	
		MANOLATOU, C. et al., "High-Density Integrated Optics", Journal of Lighthwave Technology, Vol. 17, No. 9, pp. 1682-1692, (September 1999).	
		MEKIS, A. et al., "High Transmission Through Sharp Bends in Photonic Crystal Waveguides", Phys. Rev. Lett., Vol. 77, pp. 3787-3790, (1996).	
		MEADE, R. D. et al., "Novel Application of Photonic Band Gap Materials: Low-Loss Bends and High Q Cavities", J. App. Phys., Vol. 75, pp. 4753-4755, (1994).	
		CHOW, E. et al., "Quantitative Analysis of Bending Efficiency in Photonic-Crystal Waveguide Bends at $\lambda=1.55 \mu\text{m}$ Wavelengths", Optics Letters, Vol. 26, No. 5, (March 1, 2001).	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.